

**WASHINGTON STATE DEPARTMENT OF HEALTH
OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS**

ANNUAL GROWING AREA REVIEW

PREPARED BY: Donald J. Melvin, Environmental Specialist

AREA: Possession Sound

YEAR ENDING: December 31, 2005

CLASSIFICATION: Approved

ACTIVITIES IN THE GROWING AREA IN 2005:

Samples were collected from the growing area 7 times during the year using the systematic random sampling method.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area pass the NSSP water quality standard. Sampling stations #232 and #252 are of concern due to elevated bacteria levels.

CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

We currently have no information indicating that the area has new sources of pollution.

CLASSIFICATION STATUS:

- ☐ Well within the classification standards
- ☒ Meets standards but some concerns
- ☐ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

Table #1 shows that all stations meet the NSSP water quality standards for approved classification and the area is correctly classified.

TABLE 1**SUMMARY OF MARINE WATER DATA (SRS)**Growing Area: **POSSESSION SOUND**Classification: **Approved,Prohibited,Unclassified**From **06/13/2001** To **10/06/2005****FECAL COLIFORM ORGANISMS/100 ML**

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
223	Approved	32	1.7 - 49.0	2.6	8.0	Yes
224	Approved	32	1.7 - 240.0	3.2	15.0	Yes
225	Approved	32	1.7 - 49.0	2.9	10.0	Yes
226	Approved	32	1.7 - 79.0	3.6	16.0	Yes
227	Approved	31	1.7 - 130.0	2.7	10.0	Yes
228	Approved	31	1.7 - 79.0	3.0	12.0	Yes
229	Approved	32	1.7 - 110.0	3.3	14.0	Yes
232	Approved	31	1.7 - 130.0	4.7	25.0	Yes
233	Approved	32	1.7 - 79.0	3.0	11.0	Yes
234	Approved	32	1.7 - 33.0	2.8	8.0	Yes
235	Approved	32	1.7 - 46.0	3.4	11.0	Yes
236	Approved	32	1.7 - 23.0	3.2	10.0	Yes
237	Approved	32	1.7 - 110.0	3.9	16.0	Yes
238	Approved	32	1.7 - 79.0	3.1	13.0	Yes
239	Approved	32	1.7 - 31.0	2.4	6.0	Yes
240	Approved	32	1.7 - 49.0	3.1	10.0	Yes
245	Approved	30	1.7 - 79.0	3.1	12.0	Yes
252	Approved	35	1.7 - 170.0	4.6	25.0	Yes
253	Approved	35	1.7 - 49.0	3.0	10.0	Yes
222	Prohibited	32	1.7 - 79.0	5.3	23.0	Yes
230	Unclassified	31	1.7 - 110.0	3.3	14.0	Yes
231	Unclassified	31	1.7 - 110.0	3.0	12.0	Yes
244	Unclassified	31	1.7 - 79.0	2.7	9.0	Yes
251	Unclassified	35	1.7 - 130.0	4.4	22.0	Yes

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

† All samples have been verified.



